

Minnesota's Preparedness for Ethanol and Oil Transportation Incidents



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Purpose of the Study

- **DPS directed to prepare a report on preparedness for oil transportation incidents preparedness.**
 - Update initial 2015 study.
 - Contracted with Management Analysis & Development (MAD).
- **Report requirements:**
 - Evaluate preparedness activities.
 - Evaluate preparedness for ethanol rail incidents.
 - Examine funding sources, unfunded needs, and equity issues for response preparedness.
 - Make recommendations.



Scope of Study

- **The study focuses on public safety preparedness and response to an oil, ethanol or other hazardous materials transportation incident involving railroads or pipelines in Minnesota.**



Study Methods

- **Research conducted August – November 2016.**
- **Data sources:**
 - Interviews of subject matter experts.
 - Review of emergency preparedness literature and guidance.
 - Survey of public safety officials
 - Interviews of state and local officials.

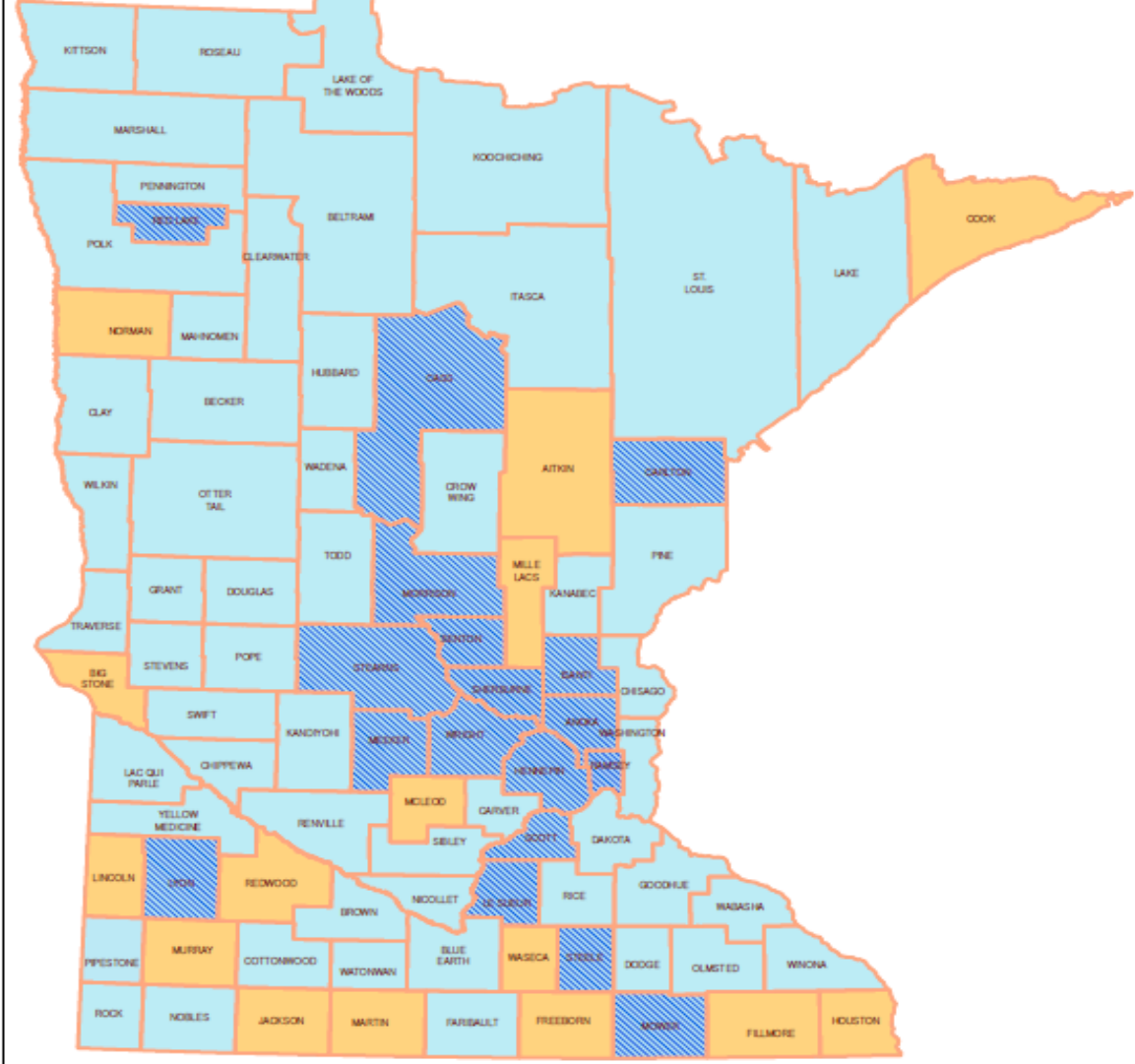


Progress Since 2015 study

- **Conducted awareness training for oil transportation incidents.**
- **Evaluated hazardous materials preparedness activities.**
- **Funded training.**
- **Purchased hazardous materials team equipment.**
- **Created a secure data portal for response planning information.**



PIPELINE & RAILROAD FIRST RESPONDER TRAINING



- Greater the 50%
- Less than 50%
- Operations level

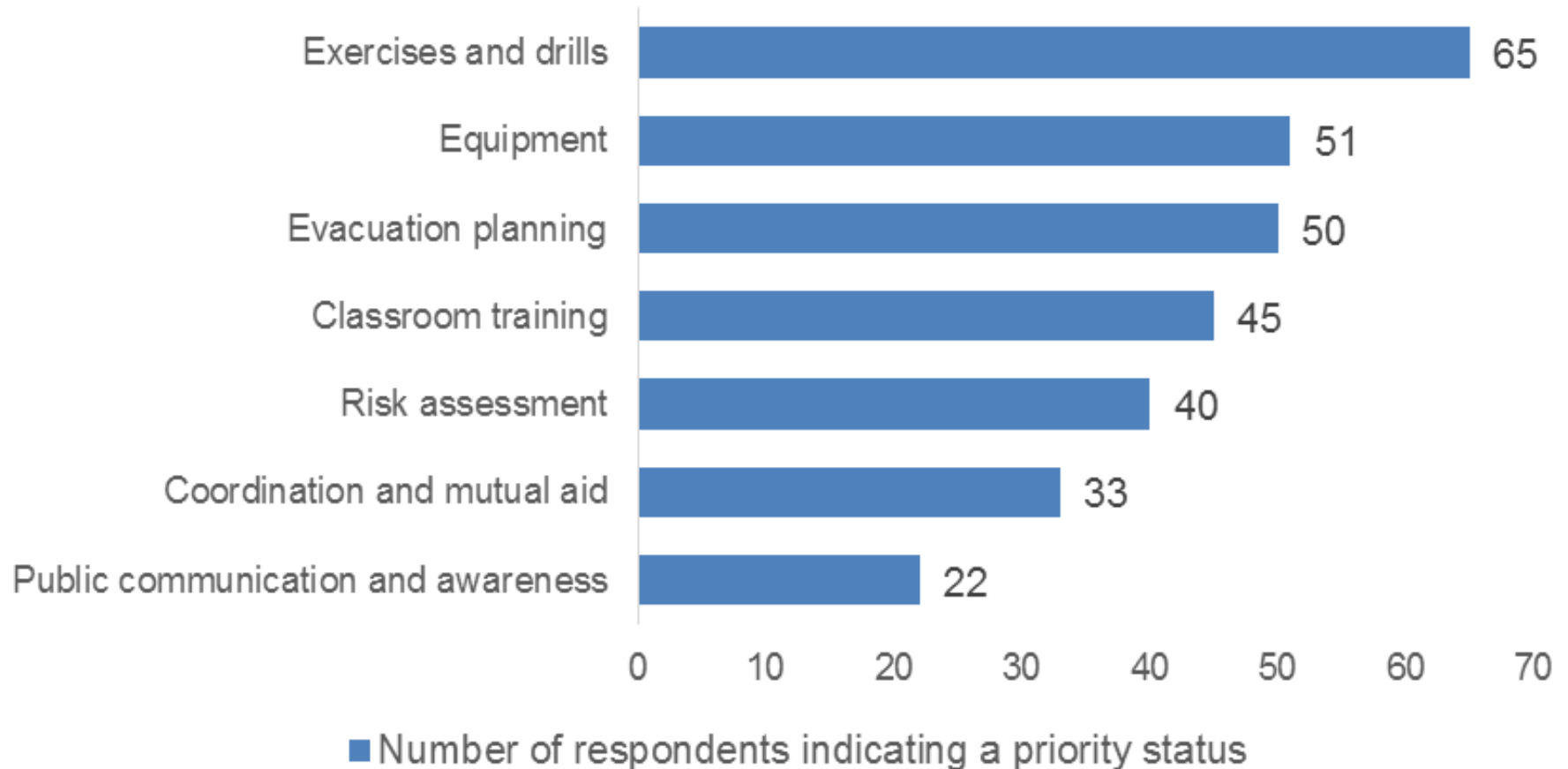


Additional Preparedness Actions

- **Coordinated with neighboring states and provinces.**
- **Provided enhanced training to state response teams.**
- **Continued to work with rail and pipeline companies.**
- **Supported local governments to enhance warning systems.**
- **Provided emergency planning zone analysis, maps, and exercise/drill support.**



Prioritized Survey Findings





Recommendations & Actions

- **Recommendation:**
 - Support drills and exercises.
- **Proposed actions:**
 - Grant program to fund local drills and exercises.
 - Provide subject matter experts to support drills and exercises.



Recommendations & Actions

- **Recommendation:**
 - Staff and participant support for exercises at Camp Ripley.
- **Proposed actions:**
 - Support the development and operation of the proposed Joint Emergency Response Training Center (JERTC).



Recommendations & Actions

- **Recommendation:**
 - Planning and training, including risk assessment.
- **Proposed actions:**
 - Planning grant program.
 - Training grant program.
 - Provide subject matter experts for local planning.
 - Support local risk and hazard identification.



Recommendations & Actions

- **Recommendation:**
 - Classroom training.
- **Proposed actions:**
 - Continue awareness and operations level training.
 - Develop needs based training.
 - Coordinate with public and private partners to keep information up-to-date and refresh training.
 - Review actual incidents to identify best practices and share lessons learned.



Recommendations & Actions

- **Recommendation:**
 - Community-focused communications and warnings.
- **Proposed actions:**
 - Fund Integrated Public Alert and Warning Systems (IPAWS) equipment and services.
 - Conduct IPAWS user training.
 - Develop public awareness program on risk, hazard, and preparedness.



Recommendations & Actions

- **Recommendation:**
 - Establish clear and regular reporting about how safety account funds are spent.
- **Proposed actions:**
 - Regularly inform stakeholders on the availability of railroad and pipeline safety account funds.
 - Publicly report on spending and achievement of outcomes and milestones.



Recommendations & Actions

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Recommendations & Actions

- **Other recommendations:**
 - **Maintain and upgrade state response team equipment.**
 - **Provide railways with access to ARMER radio network.**
 - **Promote use of AskRail® mobile application by first responders.**
 - **Identify public and private response equipment and assess gaps.**

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Questions?